

Claims

[c1]

What is claimed is:

1. A device for prevention of the abnormal joint rotation, comprising:
 - an appendage securing section constructed and arranged to secure to the appendage having the abnormal joint rotation;
 - a torso securing section having means for coupling to the appendage securing section, wherein the torso securing section is constructed and arranged to secure to the torso of the patient and to apply correcting pressure directed upon the appendage securing section, wherein the correcting pressure exerted by the torso securing section upon the appendage securing section counters the direction of the abnormal joint rotation.

[c2]

2. The device of claim 1 wherein:
 - the torso securing section is constructed and arranged to secure to the torso of the patient and to apply correcting pressure upon the appendage securing section, wherein the correcting pressure exerted by the torso securing section upon the appendage securing section counters the direction of the external rotation of the joint.

[c3]

3. The device of claim 1 wherein:
 - the torso securing section is constructed and arranged to secure to the torso of the patient and to apply pressure upon the appendage securing section, wherein the correcting pressure exerted by the torso securing section upon the appendage securing section counters the direction of the internal rotation of the joint.

[c4]

4. The device of claim 1 wherein:
 - the torso securing section has means for affixing upon it of at least one magnetic body.

[c5]

5. The device of claim 1 wherein:
 - the appendage suffering from the abnormal joint rotation is a leg, wherein the joint having the abnormal rotation is a hip.

- [c6] 6. The device of claim 1 wherein:
the appendage suffering from the abnormal joint rotation is an arm,
wherein the joint having the abnormal rotation is a shoulder.
- [c7] 7. The device of claim 1 wherein:
the torso securing section is composed of an elastic material.
- [c8] 8. The device of claim 1 wherein:
an appendage securing section constructed and arranged to secure to a
thigh of a leg having the abnormal rotation of the hip; and
a torso securing section is constructed and arranged to secure to the
torso of the patient and to apply correcting pressure directed upon the
appendage securing section, wherein the correcting pressure exerted by
the torso securing section upon the appendage securing section counters
the direction of the abnormal rotation of the hip.
- [c9] 9. The device of claim 8 wherein:
the torso securing section is constructed and arranged to secure to the
torso of the patient and to apply pressure upon the appendage securing
section, wherein such pressure is inwardly directed in relation to the hip
having external rotation with a result of prevention of the external
rotation of the hip.
- [c10] 10. The device of claim 8 wherein:
the torso securing section is constructed and arranged to secure to the
torso of the patient and to apply pressure upon the appendage securing
section, wherein such pressure is simultaneously inwardly, frontally and
upwardly directed in relation to the hip having external rotation with a
result of prevention of the external rotation of the hip.
- [c11] 11. The device of claim 8 wherein:
the torso securing section is constructed and arranged to secure to the
torso of the patient and to apply pressure upon the appendage securing
section, wherein such pressure is outwardly directed in relation to the hip
having internal rotation with a result of prevention of the internal rotation

of the hip.

[c12] 12. The device of claim 8 wherein:
the torso securing section is constructed and arranged to secure to the torso of the patient and to apply pressure upon the appendage securing section, wherein such pressure is simultaneously outwardly, rearwardly and upwardly directed in relation to the hip having internal rotation, with a result of prevention of the internal rotation of the hip.

[c13] 13. The device of claim 1 wherein:
the appendage securing section has a first end and a second end; and the torso securing section has a first end, an intermediate section, and a securing end, wherein the securing end of the torso securing section has means for coupling to the appendage securing section.

[c14] 14. The device of claim 13 wherein:
the appendage securing section has means for coupling of the first end of the appendage securing section to the second end of the appendage securing section.

[c15] 15. The device of claim 13 wherein:
the first end of the appendage securing section is coupled to the second end of the appendage securing section.

[c16] 16. The device of claim 13 wherein:
the torso securing section has means for coupling of the first end of the torso securing section to the intermediate section of the torso securing section.

[c17] 17. The device of claim 13 wherein:
the first end of the torso securing section is coupled to the intermediate section of the torso securing section.

[c18] 18. The device of claim 13 wherein:
the second end of the appendage securing section is joined to the first end of the torso securing section thereby forming a wrap.

- [c19] 19. A method of prevention of the external rotation of the hip by providing directed pressure upon a leg suffering from the external rotation of the hip, using a wrap comprising:
- the appendage securing section having a first end and a second end;
 - the torso securing section having a first end, an intermediate section, and a securing end, wherein the securing end of the torso securing section has means for coupling to the appendage securing section; and
 - wherein the second end of the appendage securing section is joined to the first end of the torso securing section;
- said method comprising:
- a) placing the first end of the appendage securing section of the wrap against an inside of patient's thigh of the leg suffering from the external rotation of the hip, wherein the appendage securing section of the wrap is positioned in front of the thigh;
 - b) wrapping the appendage securing section of the wrap at least once around the thigh;
 - c) wrapping the torso securing section at least once around patient's torso by bringing the torso securing section of the wrap up and over the lateral side of the hip suffering from the external rotation of the hip, over patient's lower back, and over patient's lateral side which lateral side is opposed to the side suffering from the external rotation of the hip; and
 - d) coupling of the securing end of the torso securing section of the wrap to the appendage securing section at the front of the thigh.

- [c20] 20. A method of prevention of the internal rotation of the hip by providing directed pressure upon a leg suffering from the internal rotation of the hip, using a wrap comprising:
- the appendage securing section having a first end and a second end;
 - the torso securing section having a first end, an intermediate section, and a securing end, wherein the securing end of the torso securing section has means for coupling to the appendage securing section; and
 - wherein the second end of the appendage securing section is joined to

the first end of the torso securing section;

said method comprising:

- a) placing the first end of the appendage securing section of the wrap against an outside of patient's thigh of the leg suffering from the external rotation of the hip, wherein the appendage securing section of the wrap is positioned in front of the thigh;
- b) wrapping the appendage securing section of the wrap at least once around the thigh;
- c) wrapping the torso securing section at least once around patient's torso by bringing the torso securing section of the wrap up and over the front of the thigh and over the abdomen, over patient's lateral side which lateral side is opposed to the side suffering from the internal rotation of the hip, and over patient's lower back; and
- d) coupling of the securing end of the torso securing section of the wrap to the appendage securing section at the front of the thigh.